**PF Fall2022, Assignment 2**

Q1. In a right triangle, the square of the length of one side is equal to the sum of the squares of the length of the other two sides. Write a pseudo-code that takes in lengths of the three sides of a triangle, and then outputs whether the triangle is right or not.

Q2. [Write a pseudo-code that takes in a number as input and prints whether it is negative, positive or zero.](http://codeforwin.org/2015/05/c-program-to-check-negative-positive-zero.html)

Q3.  [Write a pseudo-code that takes in as input the number of units used by the consumer, and prints the total cost of electricity according to the given condition:](http://codeforwin.org/2015/05/c-program-to-calculate-electricity-bill.html)

For first 110 units, the rate is Rs. 0.50/unit  
For next 90 units, the rate is Rs. 0.80/unit  
For unit above 200, the rate gets raised to Rs. 1.50/unit

Sample examples (these are for your understanding only, the pseudo-code must work for any value entered by the user):

**Input**: 100

**Output**: 50 How: 100\*0.5=50.

**Input**: 111

**Output**: 55.8 How: 110\*0.5 + 1\* 0.8 = 55 + 0.8 = 55.8

**Input**: 300

**Output**: 277 How: 110\*0.5 + 90\*0.8 + 100\*1.5 = 55 + 72 + 150 = 277